

## Datasheet: TC020

<b>Description:</b>	ANTI RAT CD3:FITC/CD25:RPE/RT1B:Alexa Fluor® 647
<b>Specificity:</b>	CD3/CD25/RT1B
<b>Format:</b>	3 Color
<b>Product Type:</b>	Triple Color Reagent
<b>Clone:</b>	1F4 / OX-39 / OX-6
<b>Isotype:</b>	Cocktail
<b>Quantity:</b>	50 TESTS

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	■			Neat - 1/5

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

### Antibody Isotypes

CD3 FITC reagent: Mouse IgM  
 CD25 RPE reagent: Mouse IgG1  
 RT1B A647 reagent: Mouse IgG1

### Target Species

Rat

### Product Form

Triple Color combination consisting of FITC, RPE and Alexa Fluor® 647 conjugated monoclonal antibodies mixed in optimal ratio - lyophilized

### Reconstitution

Reconstitute with 0.5 ml distilled water

### Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
Alexa Fluor®647	650	665
FITC	490	525
RPE 488nm laser	496	578
RPE 561nm laser	546	578

### Buffer Solution

Phosphate buffered saline

### Preservative

0.09% Sodium Azide (NaN<sub>3</sub>)

### Stabilisers

1% Bovine Serum Albumin  
 5% Sucrose

**External Database  
Links**

**UniProt:**

[P19377](#)   [Related reagents](#)  
[Q64159](#)   [Related reagents](#)  
[P26897](#)   [Related reagents](#)

**Entrez Gene:**

[25710](#)   Cd3d   [Related reagents](#)  
[300678](#)   Cd3g   [Related reagents](#)  
[25704](#)   Il2ra   [Related reagents](#)

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**Synonyms**      T3d

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**RRID**            AB\_1055654

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**Specificity**      **Anti Rat CD3:FITC/CD25:RPE/RT1B:Alexa Fluor® 647** is a triple color reagent which can be used for the phenotyping and enumeration of rat lymphocyte populations.

Antibodies produced by clone 1F4 recognize rat CD3, a 25 kDa cell surface antigen which is expressed by mature rat T-cells.

Antibodies produced by clone OX-39 react with the alpha chain of rat CD25, a 55 kDa type I membrane glycoprotein otherwise known as the IL-2 receptor alpha. In rats CD25 is expressed by activated T cells but not resting lymphocytes.

Antibodies produced by clone OX-6 react with a monomorphic determinant of the rat I-A antigen present on B lymphocytes, dendritic cells, some macrophages.

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**Flow Cytometry**      Use 10ul of the suggested working dilution to label  $1 \times 10^6$  cells in 100ul

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**Storage**            Store at +4°C. DO NOT FREEZE.  
This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee**          12 months from date of despatch

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**Health And Safety  
Information**          Material Safety Datasheet documentation #10075 available at:  
10075: <https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf>

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**Regulatory**          For research purposes only

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